

## **AMENDMENTS TO THE CLAIMS**

1. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field; and

output means for outputting the calculated oligopoly score per technical field to display means, printing means, recording medium, or another telecommunications device via a communication line.

2. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopolistic state per technical field judgment means for comparing a predetermined threshold with the calculated oligopoly score per technical field, and for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises; and

output means for outputting an index showing the oligopolistic state or the competitive state judged by the oligopolistic state per technical field judgment means to display means, printing means, recording medium, or another telecommunications device via a communication line.

3. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopolistic state per technical field judgment means for comparing a predetermined threshold with the calculated oligopoly score per technical field, and for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises;

display data generation means for generating display data for an indication of the oligopoly score per technical field in a numerical value or in a bar graph and an indication of the judgment result of whether in an oligopolistic state or in a competitive state, to display these indications within the same frame or at an adjacent position; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

4. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants, and for extracting the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per enterprise calculation means for calculating number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and for accumulating the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculating the oligopoly score per enterprise; and

output means for outputting the calculated oligopoly score per enterprise to display means, printing means, recording medium, or another telecommunications device via a communication line.

5. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants, and for extracting the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per enterprise calculation means for calculating number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and for accumulating the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculating the oligopoly score per enterprise;

diversification per enterprise categorizing means for comparing a predetermined threshold with the calculated oligopoly score per enterprise, and for categorizing whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

output means for outputting display data of categories with the figure or wording to display means, printing means, recording medium, or another telecommunications device via a communication line.

6. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants, and for extracting the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per enterprise calculation means for calculating number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and for accumulating the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculating the oligopoly score per enterprise;

diversification index calculation means for calculating a diversification index by subtracting the oligopoly score per enterprise from 1, or a diversification index by subtracting the oligopoly score per enterprise from 1 and multiplying 100 thereto;

diversification per enterprise categorizing means for comparing a predetermined threshold with the calculated diversification index, and for categorizing whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

output means for outputting display data of categories with the figure or wording to display means, printing means, recording medium, or another telecommunications device via a communication line.

7. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical-field; and

output means for outputting the calculated oligopoly-emphasized score per technical field to display means, printing means, recording medium, or another telecommunications device via a communication line.

8. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score; and



output means for outputting the calculated enterprise competitive position score to display means, printing means, recording medium, or another telecommunications device via a communication line.

9. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

enterprise competitive position score categorizing means for comparing a predetermined threshold with the calculated enterprise competitive position score, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

10. (Original) The enterprise evaluation device according to claim 9, wherein the threshold is a value using an average value or standard deviation of the enterprise competitive position scores of all enterprises.

11. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the

number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

standardized enterprise competitive position score calculation means for calculating the standardized enterprise competitive position score through dividing the enterprise competitive position score by the number of technical fields; and

output means for outputting the calculated standardized enterprise competitive position score to display means, printing means, recording medium, or another telecommunications device via a communication line.

12. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the

total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

standardized enterprise competitive position score calculation means for calculating the standardized enterprise competitive position score through dividing the enterprise competitive position score by the number of technical fields;

standardized enterprise competitive position score categorizing means for comparing a predetermined threshold with the calculated standardized enterprise competitive position score, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

13. (Original) The enterprise evaluation device according to claim 12, wherein the threshold is a value using an average value or standard deviation of the standardized enterprise competitive position scores of all enterprises.

14. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate; and

output means for outputting the enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.

15. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the

total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate;

enterprise competitive position index categorizing means for comparing a predetermined threshold with the calculated enterprise competitive position index, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

16. (Original) The enterprise evaluation device according to claim 15, wherein the threshold is a value using an average value or standard deviation of the enterprise competitive position indexes of all enterprises.

17. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;



oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate;

standardized enterprise competitive position index calculation means for calculating the standardized enterprise competitive position index through dividing the enterprise competitive position index by the number of technical fields; and

output means for outputting the standardized enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.

18. (Original) An enterprise evaluation device, comprising:

technical document acquisition means for acquiring technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and for extracting the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and for extracting the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

oligopoly score per technical field calculation means for calculating number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and for accumulating the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculating the oligopoly score per technical field;

oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

enterprise competitive position score calculation means for accumulating the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculating the enterprise competitive position score;

rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

enterprise competitive position index calculation means for calculating the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate;

standardized enterprise competitive position index calculation means for calculating the standardized enterprise competitive position index through dividing the enterprise competitive position index by the number of technical fields;

standardized enterprise competitive position index categorizing means for comparing a predetermined threshold with the calculated standardized enterprise competitive position index, and for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

display data generation means for generating display data of categories with the figure or wording; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

19. (Original) The enterprise evaluation device according to claim 18, wherein the threshold is a value using an average value or standard deviation of the standardized enterprise competitive position indexes of all enterprises.

20. (Original) The enterprise evaluation device according to any one of claims 1 to 19, wherein the technical field is classified by IPC sections, IPC classes, IPC sub-classes, IPC main groups, IPC sub-groups, F terms, FI, facets or keywords contained in the technical documents.

21. (Original) The enterprise evaluation device according to any one of claims 1 to 19, wherein the technical documents are publications of registered patents, unexamined patent applications, registered utility models, unexamined utility model applications, published translations of PCT international applications, domestic re-publications of PCT international applications, foreign publications, published appeal and trial decisions, transitional information or journals of technical disclosure.

22. (Original) The enterprise evaluation device according to any one of claims 1 to 19, wherein the number of inventions among the total number of inventions per technical field or number of inventions per enterprise and per technical field is the number of patent or utility model applications, number of claims filed, number of registrations, number of claims registered, number of examination requests, number of claims requested for examination, number of decisions of registration, number of claims decided to be registered, number of decisions of rejection, number of claims decided to be rejected, number of demands for trial, number of claims demanded for trial or the ratios thereof.

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Original) An enterprise evaluation device, comprising:

management-finance information acquisition means for acquiring management-finance information of an enterprise to be researched from a management-finance database recording management-finance information such as information showing the size of the enterprise or finance information of the enterprise;

display data generation means for generating display data for displaying, enterprise by enterprise and via a graph or chart, the relationship of the oligopoly score per enterprise according to claim 4, the oligopoly-emphasized score per technical field according to claim 7, enterprise competitive position score according to claim 8, standardized enterprise competitive position score according to claim 11, enterprise competitive position index according to claim 14 or the standardized enterprise competitive position index according to claim 17 and the acquired management-finance information of the enterprise to be researched; and

output means for outputting the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

27. (Original) The enterprise evaluation device according to claim 26, wherein the management-finance information includes the sales volume, sales profit, operating profit, sales profit ratio, operating profit ratio, total market value to total assets ratio, total market value to stockholders' equity ratio, total market value to sales volume ratio, total market value to gross operating profit ratio, total market value to operating profit ratio, gross operating profit to total assets ratio, gross operating profit to stockholders' equity ratio, operating profit to total assets ratio, operating profit to stockholders' equity ratio, stockholders' equity ratio, balance of total market value and stockholders' equity, R&D cost, R&D cost to sales volume ratio, R&D cost to gross operating profit ratio, gross operating profit ratio, gross operating profit or other financial information of the enterprise.

28. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into

respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; output means for outputting the calculated oligopoly score per technical field to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from the technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise

having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field; and

a function for making said output means output the calculated oligopoly score per technical field to display means, printing means, recording medium, or another telecommunications device via a communication line.

29. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopolistic state per technical field judgment means for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise; output means for outputting an index showing the oligopolistic state or competitive state to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopolistic state per technical field judgment means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per

technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopolistic state per technical field judgment means compare a predetermined threshold with the calculated oligopoly score per technical field, and judge whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises; and

a function for making said output means output an index showing the oligopolistic state or the competitive state judged by the oligopolistic state per technical field judgment means to display means, printing means, recording medium, or another telecommunications device via a communication line.

30. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for



classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopolistic state per technical field judgment means for judging whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise; display data generation means for generating display data; output means for outputting the display data to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopolistic state per technical field judgment means, display data generation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share

per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopolistic state per technical field judgment means compare a predetermined threshold with the calculated oligopoly score per technical field, and judge whether the number of inventions in the predetermined technical field is in an oligopolistic state of a specific enterprise, or a competitive state of numerous enterprises; and

a function for making said output means output the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

31. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises and for extracting the total number of inventions per enterprise; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per enterprise calculation means for calculating the oligopoly score per enterprise; output means for outputting the calculated oligopoly score per enterprise to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per enterprise extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per enterprise calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants, and extract the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per enterprise calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculate the oligopoly score per enterprise; and

a function for making said output means output the calculated oligopoly score per enterprise to display means, printing means, recording medium, or another telecommunications device via a communication line.

32. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises and for extracting the total number of inventions per enterprise; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per enterprise calculation means for calculating the oligopoly score per enterprise; diversification per enterprise categorizing

means for comparing a predetermined threshold with the calculated oligopoly score per enterprise and for categorizing through representation with a figure or wording; output means for outputting the display data of categories with the figure or wording to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per enterprise extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per enterprise calculation means, diversification per enterprise categorizing means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants, and extract the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per enterprise calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculate the oligopoly score per enterprise;

a function for making said diversification per enterprise categorizing means compare a predetermined threshold with the calculated oligopoly score per enterprise, and categorize whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

a function for making said output means output display data of categories with the figure or wording to display means, printing means, recording medium, or another telecommunications device via a communication line.

33. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per enterprise extraction means for classifying the acquired technical documents into respective enterprises and for extracting the total number of inventions per enterprise; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per enterprise calculation means for calculating the oligopoly score per enterprise; diversification index calculation means for calculating a diversification index; diversification per enterprise categorizing means for categorizing whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field through representation with a figure or wording; output means for outputting the display data of categories with the figure or wording to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per enterprise extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per enterprise calculation means, diversification index calculation means, diversification per enterprise categorizing means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants, and extract the total number of inventions per enterprise such as the total number of patent applications per enterprise or the total number of claims filed per enterprise;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per enterprise calculation means calculate number-of-inventions share per enterprise and per technical field through dividing the number of inventions per enterprise and per technical field by the total number of inventions per enterprise, and accumulate the number-of-inventions share per enterprise and per technical field powered by  $kb$  (wherein  $kb > 0$ ) for each technical field having at least one invention in a predetermined enterprise, thereby calculate the oligopoly score per enterprise;

a function for making said diversification index calculation means calculate a diversification index by subtracting the oligopoly score per enterprise from 1, or a diversification index by subtracting the oligopoly score per enterprise from 1 and multiplying 100 thereto;

a function for making said diversification per enterprise categorizing means compare a predetermined threshold with the calculated diversification index, and categorize whether the number of inventions in the predetermined enterprise is concentrated in a specific technical field or diversified in numerous technical fields through representation with a figure or wording; and

a function for making said output means output display data of categories with the figure or wording to display means, printing means, recording medium, or another telecommunications device via a communication line.

34. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; output means for outputting the calculated oligopoly-emphasized score per technical field to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field

such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical-field; and

a function for making said output means output the calculated oligopoly-emphasized score per technical field to display means, printing means, recording medium, or another telecommunications device via a communication line.

35. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; output means for outputting the calculated enterprise competitive position score to display means or the like; and information processing means capable of controlling said technical document acquisition means, total



number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score; and

a function for making said output means output the calculated enterprise competitive position score to display means, printing means, recording medium, or another telecommunications device via a communication line.

36. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; enterprise competitive position score categorizing means for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording; display data generation means for generating display data of categories with the figure or wording; output means for outputting the display data to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means, enterprise competitive position score categorizing means, display data generation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said enterprise competitive position score categorizing means compare a predetermined threshold with the calculated enterprise competitive

position score, and categorize the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

a function for making said display data generation means generate display data of categories with the figure or wording; and

a function for making said output means output the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

37. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; enterprise competitive position score categorizing means for categorizing the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording; display data generation means for generating display data of categories with the figure or wording; output means for outputting the display data to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means, enterprise competitive position score categorizing means, display data generation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said enterprise competitive position score categorizing means compare a predetermined threshold using an average value or standard deviation

of the enterprise competitive position scores of all enterprises with the calculated enterprise competitive position score, and categorize the competitive position of the predetermined enterprise relating to inventions through representation with a figure or wording;

a function for making said display data generation means generate display data of categories with the figure or wording; and

a function for making said output means output the display data to display means, printing means, recording medium, or another telecommunications device via a communication line.

38. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; standardized enterprise competitive position score calculation means for calculating the standardized enterprise competitive position score; output means for outputting the standardized enterprise competitive position score to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means, standardized enterprise competitive position score calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said standardized enterprise competitive position score calculation means calculate the standardized enterprise competitive position score through dividing the enterprise competitive position score by the number of technical fields; and

a function for making said output means output the calculated standardized enterprise competitive position score to display means, printing means, recording medium, or another telecommunications device via a communication line.

39. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions; excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise; enterprise competitive position index calculation means for calculating the enterprise competitive position index; output means for outputting the enterprise competitive position index to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means, rate of increase of inventions acquisition means, excess growth rate calculation means, enterprise competitive position index calculation means and output means,



wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said rate of increase of inventions acquisition means acquire the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

a function for making said excess growth rate calculation means calculate the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

a function for making said enterprise competitive position index calculation means calculate the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate; and

a function for making said output means output the enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.

40. (Original) An enterprise evaluation program to be executed with an enterprise evaluation device comprising: technical document acquisition means for acquiring technical documents from a technical document database; total number of inventions per technical field extraction means for classifying the acquired technical documents into respective technical fields and for extracting the total number of inventions per technical field; number of inventions per technical field and per enterprise extraction means for classifying the acquired technical documents and for extracting the number of inventions per enterprise and per technical field; oligopoly score per technical field calculation means for calculating the oligopoly score per technical field; oligopoly-emphasized score per technical field calculation means for calculating the oligopoly-emphasized score per technical field; enterprise competitive position score calculation means for calculating the enterprise competitive position score; rate of increase of inventions acquisition means for acquiring the rate of increase in number of inventions; excess growth rate calculation means for calculating the excess growth rate of the predetermined enterprise; enterprise competitive position index calculation means for calculating the enterprise competitive position index; standardized enterprise competitive position index calculation means for

calculating the standardized enterprise competitive position index; output means for outputting the standardized enterprise competitive position index to display means or the like; and information processing means capable of controlling said technical document acquisition means, total number of inventions per technical field extraction means, number of inventions per technical field and per enterprise extraction means, oligopoly score per technical field calculation means, oligopoly-emphasized score per technical field calculation means, enterprise competitive position score calculation means, rate of increase of inventions acquisition means, excess growth rate calculation means, enterprise competitive position index calculation means, standardized enterprise competitive position index calculation means and output means,

wherein said information processing means realizes:

a function for making said technical document acquisition means acquire technical documents such as publications of unexamined patent applications or registered patents from a technical document database;

a function for making said total number of inventions per technical field extraction means classify the acquired technical documents into respective technical fields such as IPC sub-classes or keywords, and extract the total number of inventions per technical field such as the total number of patent applications per technical field or the total number of claims filed per technical field;

a function for making said number of inventions per technical field and per enterprise extraction means classify the acquired technical documents into respective enterprises such as applicants and into respective technical fields such as IPC sub-classes or keywords, and extract the number of inventions per enterprise and per technical field such as the number of patent applications per enterprise and per technical field or the number of claims filed per enterprise and per technical field;

a function for making said oligopoly score per technical field calculation means calculate number-of-inventions share per technical field and per enterprise through dividing the number of inventions per enterprise and per technical field by the total number of inventions per technical field, and accumulate the number-of-inventions share per technical field and per enterprise powered by  $k_a$  (wherein  $k_a > 1$ ) for each enterprise

having at least one invention in a predetermined technical field, thereby calculate the oligopoly score per technical field;

a function for making said oligopoly-emphasized score per technical field calculation means calculate the oligopoly-emphasized score per technical field by multiplying the number-of-inventions share per technical field and per enterprise and the oligopoly score per technical field;

a function for making said enterprise competitive position score calculation means accumulate the oligopoly-emphasized score per technical field for each technical field having at least one invention in a predetermined enterprise, thereby calculate the enterprise competitive position score;

a function for making said rate of increase of inventions acquisition means acquire the rate of increase in number of inventions in the predetermined enterprise and the rate of increase in number of inventions in all enterprises based on date information of the acquired technical documents;

a function for making said excess growth rate calculation means calculate the excess growth rate of the predetermined enterprise by subtracting the rate of increase in number of inventions in all enterprises from the rate of increase in number of inventions in the predetermined enterprise;

a function for making said enterprise competitive position index calculation means calculate the enterprise competitive position index by multiplying the enterprise competitive position score to a value obtained by adding 1 to the excess growth rate;

a function for making said standardized enterprise competitive position index calculation means calculate the standardized enterprise competitive position index through dividing the enterprise competitive position index by the number of technical fields; and

a function for making said output means output the standardized enterprise competitive position index to display means, printing means, recording medium, or another telecommunications device via a communication line.